

Claims

- [c1] 1.A heat sink comprising: a first thermal plate, a second thermal plate and a plurality of fins integral with and extending between both the first thermal plate and the second thermal plate.
- [c2] 2.The heat sink of claim 1 wherein first and second thermal plates are positioned at external sides of the heat sink.
- [c3] 3.The heat sink of claim 1 wherein the thermal plates are positioned at opposite ends of the heat sink with the fins extending substantially perpendicularly therebetween.
- [c4] 4.The heat sink of claim 1 further comprising an outer insulative coating applied to the outer surfaces of the heat sink to prevent heat from radiating outwardly from the heat sink except into passages between the fins.
- [c5] 5.The heat sink of claim 1 further comprising a third thermal plate integral with the plurality of fins and positioned between the first thermal plate and the second thermal plate.